

Nevada
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Project

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Screening Risk Assessment for Possible Radionuclides in the Amchitka Marine Environment

Revision No.: 0

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SCREENING RISK ASSESSMENT FOR POSSIBLE RADIONUCLIDES IN THE AMCHITKA MARINE ENVIRONMENT

Prepared for
U.S. Department of Energy
National Nuclear Security Administration
Nevada Operations Office
Las Vegas, Nevada

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**SCREENING RISK ASSESSMENT FOR
POSSIBLE RADIONUCLIDES IN
THE AMCHITKA MARINE ENVIRONMENT**

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List of Acronyms and Abbreviations

3-D	Three-dimensional
A/PIA	Aleutian/Pribilof Island Association
ADEC	Alaska Department of Environmental Conservation
BCF	Bioconcentration factor
CEAM	Center for Environmental Assessment Modeling
CMRC	Cancer morbidity risk coefficient
CORMIX	Cornell Mixing Zone Expert System
cm/s	Centimeters per second
d	Day
DCF	Dietary concentration factor
DOE	U.S. Department of Energy
DRI	Desert Research Institute
EPA	U.S. Environmental Protection Agency
ft	Foot (Feet)
h	Hour
h/d	Hours per day
IAEA	International Atomic Energy Agency
IEF	Ingestion exposure factor
IPHC	International Pacific Halibut Commission
kcal/d	Kilocalories per day
kg	Kilogam
kg/d	Kilograms per day
kg/km ²	Kilograms per square kilometer
kg/m ³	Kilograms per cubic meter
km	Kilometer
km ²	Square kilometers
lbs	Pounds
m	Mete

List of Acronyms and Abbreviations (Continued)

mm	Millimeter
m^3	Cubic meters
m^3/d	Cubic meters per day
m^3/s	Cubic meters per second
m/s	Meters per second
mT	Metric ton
mT/km ²	Metric tons per square kilometer
NMFS	National Marine Fisheries Service
NNW	North, northwest
NOAA	National Oceanic and Atmospheric Administration
ONR	Office of Naval Research
pCi	Picocurie
pCi/d	Picocuries per day
pCi/L	Picocuries per liter
pCi/m ³	Picocuries per cubic meter
ROPC	Radionuclide of potential concern
RRF	Radionuclide risk factor
SAIC	Science Applications International Corporation
SSE	South, southeast
USFWS	U.S. Fish and Wildlife Service